

UNITED STATES GOVERNMENT

Memorandum

OCE M75-175

TO : Director of Communications

DATE: 05 MAY 1975

FROM : Chief, Communications Engineering

SUBJECT: Monthly Narrative Summary Report - April 1975

1. An SV-8 production review meeting was held early in the month following a final QAB TECHEVAL of a sample of the first six production units. A full production release was secured for the system (initially for 50 units).

25X1A9a 2. A cursory TEMPEST evaluation of a production SV-7 was completed with no problems. Messrs. [REDACTED] and [REDACTED] delivered two SV-7 terminals on loan to OC-O/COD and provided a demonstration and briefing.

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3. AUTEMP testing to establish an EMI profile on the Systron-Donner events recorder got underway toward the end of the month. We will make the decision whether or not to procure a quantity of these devices after reviewing the results of these tests.

25X1A 4. Large [REDACTED] orders for RS-59 equipment continued to be processed throughout April. Stock levels of certain items have been seriously reduced, or, in some cases, depleted. An inventory of [REDACTED] and Allocation 26 stock levels is being conducted to determine exactly how many of each of the RS-59 components remain.

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25X1A 5. Arrangements have been made for external production (by [REDACTED] of 25 HG/B-59 noise suppressed hand-cranked generators. Target dates are mid-May for the first 11, and early June for the remainder.

25X1A 6. The month of April was highlighted with the delivery to [REDACTED] of three major pieces of equipment. The RT-519 Brevity Code Transmitter, RT-537/CV-33 [REDACTED] Transmitter and the RS-536 [REDACTED] Base Receive System represent a cornerstone to our [REDACTED] System Plan for the immediate future.

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25X1A 7. The first of several equipment production runs in the form of STM units were accepted by QAB during April. Equipment accepted were six SV-8 terminal units, 20 RT-519 transmitter units, ten RT-537 transmitter units, and three RS-536 base units.



25X1A6a 25X1C 8. Great interest has been shown in the RS-531 system as a fully operational system to fulfill a requirement in [REDACTED] COD/CCF training exercises have begun. The interest resulted in additional procurements of RS-531 components for future use.

25X1A [REDACTED]

25X1A 10. Two Select-O-Shelf storage systems were received and installed this month. These units will house teletype parts, [REDACTED] and SKYLINK spares.

25X1A6a 11. The Crystal Lab [REDACTED] is being updated to increase the quick reaction capability. The reclaiming chamber is being removed to make room for an automatic base plating system.

25X1A 12. [REDACTED] are scheduled to begin renovations 25X1A6a of the [REDACTED] area [REDACTED] late in April 25X1C with an estimated completion date of 1 June. The tentative schedule for the special [REDACTED] support flight is 17 June.

25X1A6a 13. The PRS-2 installation at [REDACTED] was completed 25X1A6a this month. The drawings and specifications for the new SKYLINK installation at [REDACTED] have been forwarded to the 25X1C [REDACTED] for transmittal to the post. Both the trans- 25X1A6b mitter building and powerhouse at [REDACTED] will be completed next month, and the A&E for the R-Site renovation is expected to be completed by May 15th.

14. Because of late delivery of AK-4's and 188C modified KW-26's, the start of the [REDACTED] 188C conversion 25X1A6b (preparation for the installation of ARS IV) has been delayed from 1 June to 1 August 1975.

15. An estimated \$1,050,000 worth of staff communications equipment was lost as the [REDACTED] stations 25X1A6a were overrun.

25X1A 16. The SC-1 installation [REDACTED] is essentially complete; [REDACTED] is ready to go upon completion of [REDACTED] installation is due to start 3 May; [REDACTED] is scheduled for 1 June. Installations for [REDACTED] and [REDACTED] have been approved for tentative 1 August. 25X1A

25X1A 17. The SC-2 installation at [REDACTED] is underway; essentially all equipment has been received on site. [REDACTED] site preparation is complete and much equipment has been received. 25X1A

25X1A 18. Since the SG-75 Low Noise Modification is an extensive modification requiring printed circuit track rework, addition of interconnecting wiring and copper strapping, and equipment realignment, a service contract with [REDACTED] was established for prework of the PC-22 boards in order to simplify field support required to perform this modification. 25X1A

25X1A 19. The Engineering Project Officer and a [REDACTED] representative performed comprehensive tests on the [REDACTED] GCS and confirmed its operational readiness. Presently, the team is testing the [REDACTED] GCS for the same purposes. Recurrent Ampex 2000A recorder problems are being evaluated, and the cause for corrective action will be forthcoming. 25X1A

25X1A 20. Five RFP specifications have been delivered to potential bidders. These included specifications for the MX-113, CU-113, CP-113 (SKYMUX program), the Selective Call System (SATCAL) and the MS-200 Alarm Panel. 25X1A

25X1A 21. A review of the tandem switch project with [REDACTED] during April revealed that the project is behind the originally planned schedule. The on-site installation of the switch which was originally scheduled to begin on 30 June 1975 has been rescheduled to take place on 16 September 1975. Likewise, the projected cutover date has been slipped from 29 August to 7 November 1975. 25X1A

25X1A 22. A contract has been awarded [REDACTED] to conduct a study of Headquarters intra-building communications requirements and capabilities. The study will provide a comparison between standard multipair cable plants and coax cable plants, and will recommend an approach to the problem. The contract calls for a 30-day study to commence on 1 May 1975. 25X1A

25X1A6a 23. The ARS-III system was shipped from [REDACTED] to 25X1A6a
25X1A2g [REDACTED] via [REDACTED] on 6 April. Notification of on-site [REDACTED]
delivery is still pending. It is expected that the [REDACTED]
installation of this system will begin in mid-July assuming [REDACTED]
that all parts of the system will have arrived on- [REDACTED]
site undamaged. The ARS-IV site survey was completed at [REDACTED]
25X1A6b [REDACTED] on 10 April. Approval has been given for the [REDACTED]
procurement of an ARS test bed and central spares to be [REDACTED]
used for training purposes and for providing technical [REDACTED]
support to the overseas ARS systems. A specification [REDACTED]
for the test bed has been forwarded to [REDACTED] Company. 25X1A5a1

24. The DATEX pre-acceptance test began on 23 April. With the exception of tests with the OJCS Line Control Routine (LCR) and the SOCOMM switch, the first run of the pre-acceptance test was completed on 29 April. As a result, 30 software problem reports were documented and are currently being resolved.

25. An AFT concept paper which will become the basis for the AFT RFP is now being finalized for coordination. As part of the AFT studies and evaluations being conducted, action has begun to determine the feasibility of using Teletype Model 40 equipments as AFT peripherals, a low-cost CDC Optical Character Reader is being procured for evaluation as an AFT message input device, and an Edityper 4000 paper tape reader/punch that adapts to the IBM Selectric typewriter which will allow secretaries to prepare telepouch and cable traffic in paper tape form, has been procured for evaluation.

[REDACTED] 25X1A9a

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